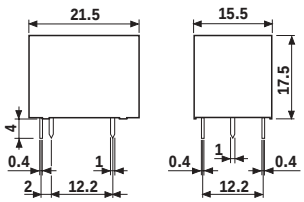
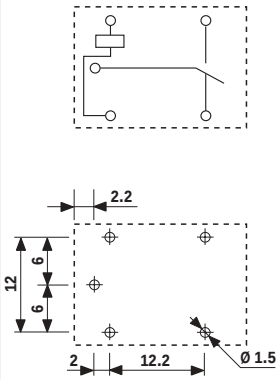
36.11

- *P.C.B. mount*
- *Sugar cube*
- *DC coil*
- *Sealed*

- sugar cube
- 1 pole
- PCB mounting





Contact specifications		
Contact configuration		1 CO (SPDT)
Rated current / Maximum peak current	A	10 / 15
Rated voltage / Maximum switching voltage	V AC	250 / 250
Rated load in AC1	VA	2,500
Rated load in AC15 (230 VAC)	VA	500
Single phase motor rating (230 VAC)	kW / HP	0.37 / 0.6
Breaking capacity in DC1: 30 / 110 / 220V	A	10 / 0.2 / 0.12
Minimum switching load	mW (V / mA)	500 (5 / 100)
Standard contact material		AgCdO
Coil specifications		
Nominal voltage (U_N)	V AC (50 / 60 Hz)	—
	V DC	3- 5 - 6 - 9 - 12 - 24 - 48
Rated power AC / sens. DC	VA (50 Hz) / W	— / 0.36
Operating range	AC (50 Hz)	—
	DC	(0.75...1.5)U_N
Holding voltage	AC / DC	— / 0.4 U_N
Must drop-out voltage	AC / DC	— / 0.1 U_N
Technical data		
Mechanical life AC / DC	cycles	— / 10 · 10^6
Electrical life at rated load AC1	cycles	100 · 10^3
Operate / release time (bounce included)	ms	10 / 5
Insulation according to EN 61810-5		2.5 kV / 2
Insulation between coil and contacts (1.2 / 50µs)	kV	4
Dielectric strenght between open contacts	V AC	1,000
Ambient temperature range	°C	–40...+85
Protection category		IP 67
Approvals: (according to type)		cULus GOST VDE

ORDERING INFORMATION

Example: a 36 series miniature P.C.B. relay, 1 CO (SPDT) 10 A contacts, with 12 V DC coil.

3 6	. 1	1	. 9	. 0 1 2	. A 0	B 0	C 0	D 0

Series

Type
1 = P.C.B.

No. of poles
1 = 1 CO (SPDT), 10 A

Coil version
9 = DC

Coil voltage
see coil specifications

A: Contact material
0 = Standard

B: Contact circuit
0 = Standard

C: Options
0 = Standard

D: Special applications
0 = Standard

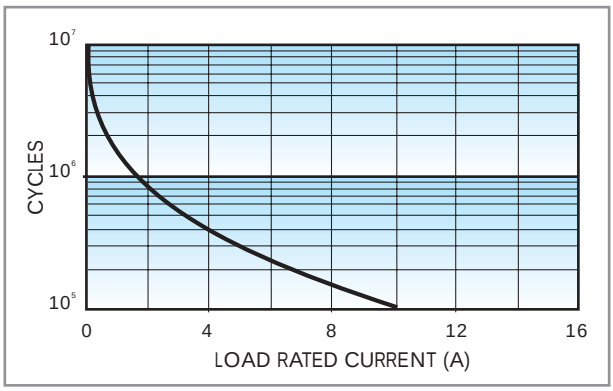
TECHNICAL DATA

INSULATION

INSULATION according to EN 61810-5	insulation rated voltage	V	250
	rated impulse withstand voltage	kV	2.5
	pollution degree		2
	overvoltage category		II

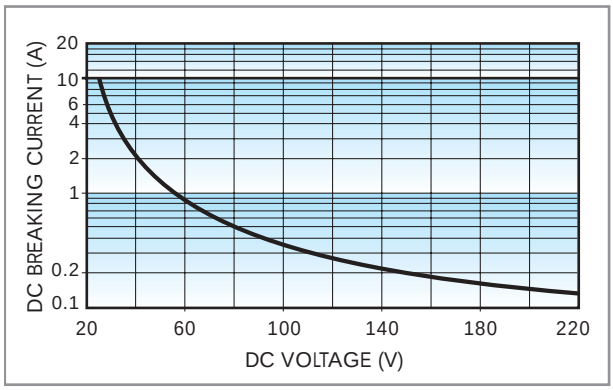
CONTACT SPECIFICATIONS

F 36



Electrical life vs AC1 load.

H 36



Breaking capacity in DC1 load.

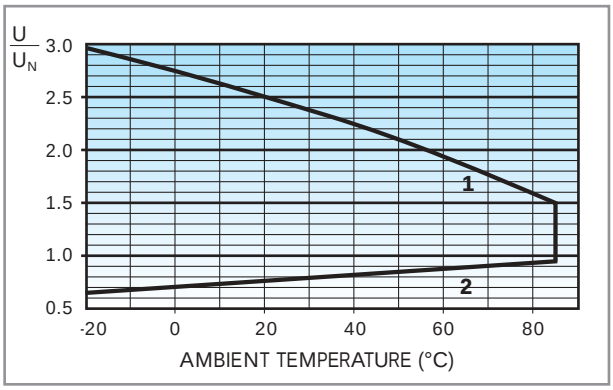
• When switching a resistive load (DC1) having voltage and current values under the curve the expected electrical life is ≥ $100 \cdot 10^3$ cycles.
• In case of DC13 loads the connection of a diode in parallel with the load will permit the same electrical life as for a DC1 load.
Note: the release time of load will be increase.

COIL SPECIFICATIONS

DC VERSION DATA

Nominal voltage U_N	Coil code	Operating range U_{min}	Operating range U_{max}	Resistance R	Rated coil absorption I at U_N
V		V	V	Ω	mA
3	**9**.003	2.2	4.5	25	120
5	**9**.005	3.7	7.5	70	72
6	**9**.006	4.5	9	100	60
9	**9**.009	6.7	13.5	225	40
12	**9**.012	9	18	400	30
24	**9**.024	18	36	1,600	15
48	**9**.048	36	72	6,400	7.5

R 36



Operating range vs ambient temperature.
1 - Max coil voltage permitted
2 - Min pick-up voltage with coil at ambient temperature